

LOWER COLUMBIA – KALAMA SUMMER STEELHEAD

STOCK STATUS

1992 STATUS

Depressed

2002 STATUS

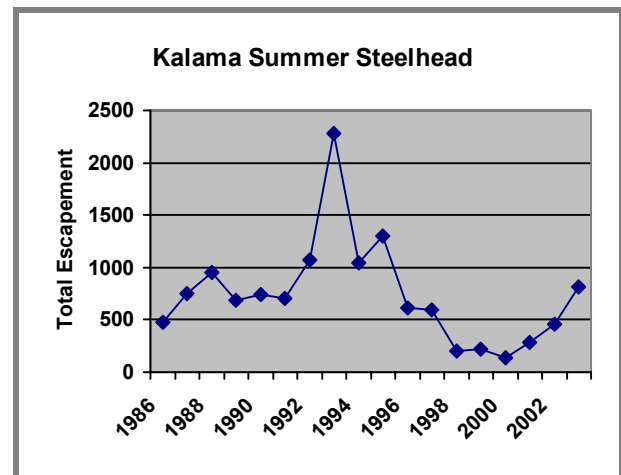
Depressed

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS:

Excellent

YEAR	TOTAL ESCAPEMENT
1986	473
1987	748
1988	950
1989	684
1990	745
1991	704
1992	1,075
1993	2,283
1994	1,041
1995	1,302
1996	614
1997	598
1998	205
1999	220
2000	140
2001	286
2002	454
2003	817



Data are total escapement estimates based on trap counts at lower Kalama Falls (RM 10.5).

Kalama summer steelhead are rated **Depressed** in 2002 based on a **short-term severe decline** in escapement from 1998 through 2001. The escapement goal for this stock is 1,000 adult spawners. Escapements in 1998 through 2001 have been only 14% to 33% of the goal.

STOCK DEFINITION

Kalama summer steelhead were identified as a stock based on their distinct spawning distribution and early run timing.

SPAWNING DISTRIBUTION: Most spawning takes place in the mainstem Kalama above lower Kalama Falls and in Gobar, Elk, and Fossil creeks, which are also located above the falls.

SPAWNING TIMING: Spawning generally occurs from mid-January through April.

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GENETIC ANALYSIS: Genetic sampling was conducted in 1994, however the collection (juveniles) may contain both summer and winter steelhead, so comparisons of this collection with other collections are not very informative (Myers et al. 2002).

STOCK ORIGIN

This is a **native** stock with **wild** production.